

Please **amend** the paragraph beginning at page 70, line 20 and ending at page 70, line 21 with the following rewritten paragraph:

B22 EPIG13 5' – GCA AGA CCC TCC AGG AGG TG - 3' (Sequence ID No. 35)

EPIG14 5' – CAC TGA GCC GTA GAA GAG AG - 3' (Sequence ID No. 36)

At page 72, following the heading "CLAIMS", please **insert** the following on a new line:

B23 --We claim:--

IN THE CLAIMS

Please **amend** claims 33 and 46 as follows.

33. (Amended) The method of claim 32 wherein the gene is the pig α MSHR gene and at least one pair of suitable primers is:

α MSHR Forward Primer 1: (5'-TGT AAA ACG ACG GCC AGT RGT GCC TGG AGG TGT CCA T-3')(Sequence ID No. 1) and

α MSHR Reverse Primer 5: (5'-CGC CCA GAT GGC CGC GAT GGA CCG-3')(Sequence ID No. 2); or

B24 α MSHR Forward Primer 2: (5'-CGG CCA TCT GGG CGG GCA GCG TGC -3')(Sequence ID No. 3) and

α MSHR Reverse Primer 2: (5'-GGA AGG CGT AGA TGA GGG GGT CCA-3')(Sequence ID No. 4); or

α MSHR Forward Primer 3: (5'-GCA CAT CGC CCG GCT CCA CAA GAC-3')(Sequence ID No. 5) and

α MSHR Reverse Primer 3: (5'-GGG GCA GAG GAC GAC GAG GGA GAG-3')(Sequence ID No. 6).

46. (Amended) A kit as claimed in claim 45 wherein at least one pair of suitable primers is:

α MSHR Forward Primer 1: (5'-TGT AAA ACG ACG GCC AGT RGT GCC TGG AGG TGT CCA T-3')(Sequence ID No. 1) and

α MSHR Reverse Primer 5: (5'-CGC CCA GAT GGC CGC GAT GGA CCG-3')(Sequence ID No. 2); or

α MSHR Forward Primer 2: (5'-CGG CCA TCT GGG CGG GCA GCG TGC -3')(Sequence ID No. 3) and

α MSHR Reverse Primer 2: (5'-GGA AGG CGT AGA TGA GGG GGT CCA-3')(Sequence ID No. 4); or

α MSHR Forward Primer 3: (5'-GCA CAT CGC CCG GCT CCA CAA GAC-3')(Sequence ID No. 5) and

α MSHR Reverse Primer 3: (5'-GGG GCA GAG GAC GAC GAG GGA GAG-3')(Sequence ID No. 6).

REMARKS

This paper is submitted in response to the Notice to Comply contained in the Office Communication dated December 1, 2000, which was issued in the above-identified application. Applicants request a five-month extension of time pursuant to 37 C.F.R. §1.136(a) and enclose the required fee under 37 C.F.R. §1.17(a)(5).

The specification and claims have been amended to insert sequence identification numbers at the appropriate places. The specification has been further amended to correct errors in certain sequences. Claims 33 and 46 have been amended to insert sequence ID numbers and to correct typographical errors. Rewritten and claims appear in the preceding "IN THE SPECIFICATION" and "IN THE CLAIMS" sections. Attached hereto is a marked-up version of the changes made to the claims by the instant amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE" and is only included for the